

# Electrical Generation Specifications

## ANSALDO ENERGIA, GENOVA, ITALY

### AT ISO BASE LOAD

MODEL	POWER RATING ISO Base Load (MW)	EFFICIENCY %	POWER SHAFT SPEED (RPM)	PRESSURE RATIO	NUMBER OF COMBUSTORS	Grid Frequency	Exhaust Flow (kg/sec)	Exhaust Temp (°C)
AE64.3A	80	36.4	*3,000/3,600	18.3	1 (annular)	*50/60 Hz	215	580
AE94.2	190	36.3	3,000	12.0	2 (silo)	50 Hz	555	550
AE94.2K	170	36.5	3,000	12.0	2 (silo)	50 Hz	540	545
AE94.3A	340	40.3	3,000	19.5	1 (annular)	50 Hz	755	593
GT26	370	41.0	3,000	35.0	2 (annular)	50 Hz	741	625
GT36-S5	538	42.8	3,000	26.0	1 (cannular)	50 Hz	1,020	621
GT36-S6	369	42.3	3,600	24.0	1 (cannular)	60 Hz	710	630
AE-T100	0.1	30.0	70,000	4.5	1 (silo)	50/60 Hz	1	270

Notes: Reference conditions: ISO, i.e., Amb. temp. = 15°C, amb. press.= 1.013 bar, amb. R.H. = 60%;

Natural gas methane, except low heating value gas for AE94.2K

GT Inlet pressure loss = 0 mbar, GT Exhaust pressure loss = 0 mbar

\*with gear (gas turbine 90 Hz)

## BAKER HUGHES

### AT ISO BASE LOAD

MODEL	POWER OUTPUT (MW)	GROSS HEAT RATE Lower Heating Value (LHV) (Btu/kWh)	POWER SHAFT SPEED (RPM)	PRESSURE RATIO	NUMBER OF COMBUSTORS	EXHAUST FLOW (kg/sec)	EXHAUST TEMP. (°C)
<b>OIL &amp; GAS</b>							
NovaLT5-1	5.5	11,127	16,630	14.8	1 anular	20.4	580
NovaLT12	12.5	9,666	8,900	19	1 anular	42.3	496
NovaLT16	16.9	9,374	7,800	19	1 anular	56.6	495
PGT25 DLE	22.5	9,452	6,500	17.9	1 anular	68.9	524
PGT25+ DLE Xtend 9 ppm	25.1	8,909	6,100	21.5	1 anular	84.3	480
PGT25+ DLE High Power	30	8,727	6,100	21.5	1 anular	84.3	500
PGT25+G4 DLE	32.5	8,727	6,100	23.2	1 anular	89.7	510
PGT25+G5 DLE Xtend 15ppm	32.8	8,840	6,100	24.9	1 anular	92.5	550
PGT25+G5 DLE High Power	36.9	8,617	6,100	24.9	1 anular	92.5	550
LM2500	22.7	9,348	3,600	18.7	1 anular	69	530
LM2500+	31.2	8,749	3,600	23.7	1 anular	87	516
LM2500+G4	33.6	8,660	3,600	24	1 anular	91	527
LM2500+G5 Xtend 15ppm	33.6	8,573	3,600	25	1 anular	92	530
LM2500+G5 DLE High Power	37.6	8,425	3,600	25	1 anular	92	555
LM6000PC	43.3	8,302	3,600	28.8	1 anular	126.2	454
LM6000PF	43.3	8,282	3,600	29.1	1 anular	125.5	457
LM6000 PF+	52.5	8,322	3,930	32.3	1 anular	136.8	496
Frame5/1	25.5	11,934	5,100	10.6	10 cans	122.5	560
Frame6/1B	44	10,185	5,163	13	10 cans	145	551
Frame5/2E	32.8	9,517	5,714	17.3	6 cans	102.5	518
Frame7/1EA	91	10,065	3,600	13	10 cans	296	552
LM9000	73	7,844	3,000	33	1 anular	182	456
LMS100 PB+	108	7,935	3,000	44	1 anular	230	412
Frame9/1E	132	10,006	3,000	13.1	14 cans	410	540